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COMPLETE SPECIFICATION.

[Communicated] from abroad by CHEMISCHE FABRIK, in Helfenberg, near Dresden, EUGEN DIETERICH, in Helfenberg, near Niederpoyritz, Germany, Manufacturing Chemists.]

Improvements in Medicinal Plasters.

I, SAMUEL SIDNEY BROMHEAD of 97, Newgate Street, London, Patent Agent (communication from abroad) do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 This invention refers to medical plasters spread upon a band or sheet of woven fabric, in narrow strips or layers of various dimensions; so that they can be readily torn, or cut off for use when required. The fabric is not entirely covered; but the medical material is laid on in strips or narrow layers, so that a portion of the fabric is left uncovered between each strip or layer of the adhesive material.
- 10 The uncovered portions of the band or sheet, are usually made narrower than the covered layers, and these will preferentially run in the same direction as the threads of the fabric, so that they can be easily torn off by hand; and are thus available for use, with great rapidity when required. The physician or operator does not therefore need to use scissors, in order to separate the plaster from the
- 15 sheet or band. This is a great advantage in all cases in which time is of consequence, and in which delay would be prejudicial to the patient.

My improved plaster would be invaluable for the use of surgeons in war time. This new form of plaster may also be used as a substitute for the so called "Porous Plaster," which is entirely covered with the adhesive material; but is perforated,

20 to allow for ventilation. In preparing the plaster for use, when it is desirable to promote perspiration of the skin, an open-meshed fabric such as muslin, can be employed, and will supply ample ventilation in the open spaces between the adhesive material. It should however be properly prepared, so as to be non absorbent.

25 As in my improved plaster the adhesive material is arranged in narrow and non-adjacent strips, a plaster is obtained with alternate layers of adhesive material, and open uncovered fabric, and there would be no impediment to perspiration. The plaster so formed would operate similarly to the "Porous Plaster."

I will now describe my invention with reference to the accompanying drawings,

30 in which:

Fig. 1, shows a plan view of a band, with alternate strips of plaster and open fabric.

Fig. 2, is a section of the same, at the line *x, x*.

A, is the fabric on which the adhesive preparation has been laid, forming the

35 plaster ready for use.

b, b, are the intermediate strips of uncovered fabric.

Both A and *b* can be arranged in the direction of the thread, or obliquely thereto, or sinuously as shown.

[Price 8d.]

Bromhead's Improvements in Medicinal Plasters.

Having now particularly described and ascertained the nature of my said Invention, and in what manner the same is to be prepared, I declare that what I claim is:—

A plaster band or sheet, consisting of woven fabric either pervious or impervious, upon which the adhesive material is laid in alternating layers or strips, so as to leave intermediate spaces of uncovered fabric, said layers and spaces being either straight or sinuous as herein described, and set forth.

Dated this 10th day of September 1897.

S. S. BROMHEAD,
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